

**Mould for the manufacture of an article made from expanded foam particles and method of making said mould****Publication number:** EP0908286**Publication date:** 1999-04-14**Inventor:** BAUMANN FRITHJOF (DE); GERNER JUERGEN (DE)**Applicant:** FRAUNHOFER GES FORSCHUNG (D)**Classification:****- international:** B29C33/38; B29C44/58; B29C67/00; B29C33/38; B29C44/34; B29C67/00; (IPC1-7): B29C33/38; B29C33/00; B29C44/58; B29C67/00**- European:** B29C33/38M; B29C44/58; B29C67/00L**Application number:** EP19980117032 19980909**Priority number(s):** DE19971044165 19971007**Also published as:**

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**Cited documents:**EP0748684  
WO9508433  
XP000305734[Report a data error here](#)**Abstract of EP0908286**

The first mold section (26) includes nozzle openings (22) connected to tubular channels (32). The channels pass through the second mold section (28). An independent claim is included for the method of making the mold. The first section (26), a relatively thin-walled molding, is made by rapid tooling, rapid prototyping or a generative technique, introducing the pattern of holes during manufacture. A material forming the second mold section (28), the thick core, is introduced into the first shell molding (26) and then hardened. Preferably the first mold section (26) is formed by a stereolithographic technique. Preferred features: The openings are relatively uniformly distributed over the surface of the cavity (16), forming a pattern. The first mold section is shell-like with the mold cavity on its outer surface (30). First and second mold sections are made of a fast setting resin, e.g. epoxy resin.

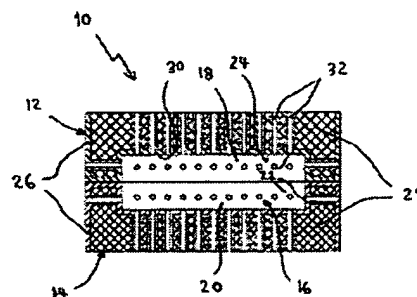


Fig. 1

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